

California Global Warming Solutions Act of 2006

GHG Reporting Tool Training

Power Entities

California Air Resources Board
March 26, 2009

Participation Information

- **Webinar Registration Information**
(need to pre-register to participate)
<https://www2.gotomeeting.com/register/345537296>
- **Slides for Today's Training:**
<http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-tool.htm>
- **Power Entities Step by Step Guidance for GHG Emissions Reporting Using the CA ARB On-Line Reporting Tool**
<http://www.arb.ca.gov/cc/reporting/ghg-rep/>
- **Regulation and Staff Report**
(includes Regulation and other materials):
<http://www.arb.ca.gov/regact/2007/GHG2007/GHG2007.htm>₂

Using the Webinar

- Preregistration is required, see previous slide for link
- For Audio, each participant has a unique dial-in and access code
 - Numbers visible after joining webinar
 - Must enter Audio PIN to join audio
 - Call is billed as normal long-distance call
- ARB staff will mute/and unmute lines
 - “Raise Hand” to have your line activated for verbal questions
- Type questions into Chat box for text questions

Additional Reporting Tool Training

(see training website for materials)

Reporting Sector	Date	Time (PDT)
General Stationary Combustion	March 17	10:00 a.m. to 12:00 p.m.
Cement Plants	March 26	10:00 a.m. to 12:00 p.m.
Electricity Retail Providers & Marketers	March 26	1:00 p.m. to 3:00 p.m.
Electricity Generating & Cogeneration Facilities	March 27	10:00 a.m. to 12:00 p.m.
Refineries & Hydrogen Plants; Oil & Gas Production	March 30	9:30 a.m. to 12:30 p.m.

Agenda

- Update on Mandatory Reporting and Reporting Tool
- Purpose of Training
- Demonstration of GHG Reporting Tool for Power Entities
- Wrap-up

Update on Mandatory Reporting

- Regulation is now in effect
- Schedule modification (2009 only):
 - All reports on 2008 emissions are due June 1, 2009
 - Provides additional time for some reporters
 - See Regulatory Advisory
 - <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghgschedadvisory.pdf>
 - Extra time for 2009 submittals only

Update Continued

- 2009: Must report 2008 emissions in 2009
 - See Regulation and Guidance for methods
 - Reports due June 1, 2009
 - Verification is optional for 2009 emissions reports
- 2010: Emissions data report must meet full requirements of the regulation
 - Monitoring equipment, procedures should be in place by January 1, 2009
 - Everyone must verify their 2009 emissions data reports in 2010

Purpose of this Training

- Demonstrate use of GHG Reporting Tool for reporting
- Assumes basic understanding of reporting requirements
 - Will not discuss GHG calculation methods
 - Refer to extensive Guidance Documents for questions about calculating GHG emissions
 - <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-guid/ghg-rep-guid.htm>

GHG Reporting Tool

- Use to report GHG emissions and non emissions data
- Provides reporting, QA, certification, tracking, and verification access
- Allows password-protected access by multiple entity or facility users
- Training Site available for practice
- Shares software platform used by U.S. EPA and The Climate Registry

Reporting Tool Aids for Power Entities

- Reporting Tool Primer
- Users Guide
- Power Sector Specific:
 - Power Entities Step by Step Guidance for GHG Emissions Reporting Using the CA ARB On-Line Reporting Tool
 - Electric Generating and Cogeneration Facilities Step by Step Guidance for GHG Emissions Reporting Using the CA ARB On-Line Reporting Tool
 - Electric Power Sector Users Notes (Updated 3-24-09)

What is a Power Entity?

- CA Retail Provider
- Multi-Jurisdictional Retail Provider
- Marketer (Importers to CA)
- CA DWR and WAPA
- Asset Owning/Controlling Supplier
(meets clean power criteria)

Entity Level Reporting

Fugitive SF6
Emissions

Aggregated
Power
Transactions
Data

Other Non Emissions
Data for Resources
Operated or Owned

Preparing to Report

- Understand What You Need to Report
 - Instructional Guidance Chapter 8
<http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm>
 - Data Dictionary (Chapter 8, p. 8.3)
 - Examples of Power Transactions
(Chapter 8, pp. 8-24 to 8-34)
 - Power Transaction Template (Download from website or from Reporting Tool)
 - Hydro-Nucl-Solar-Wind Excel File
(Download from website or from Reporting Tool)
- Collect and Organize Your Data

Today's Demonstration

- Getting Started
 - Register Entity
 - Set Up Contacts
 - Associate Facilities
- Reporting Data at Entity Level
 - Fugitive SF6 Emissions
 - Power Transactions
 - Hydro-Nucl-Solar-Wind Excel File
- QA and Preparing to Certify Data

Getting Started Demo

- Register Entity
- Set Up Contact
- Associate Facilities

Let's Go!

Reporting Data At Entity Level

1. Set Up Emitting Activity
2. Create Submission

Fugitive SF6
Emissions

1. Create Submission
2. Download Excel File
3. Complete Off-Line
4. Upload as XML

Power
Transactions
Template

1. Download Excel File
2. Complete Off-Line
3. Attach as Supporting Document

Hydro-
Nucl-Solar-
Wind, etc.

Reporting Fugitive SF6 Emissions Demo

- Setting Up Emitting Activity
 - Equipment or process with capacity to produce GHG emissions (i.e., transmission & distribution systems, substations, circuit breakers inside CA)
 - Can be aggregated for reporting purposes at the entity's discretion
- Creating Submission

Let's Go!

Reporting Data At Entity Level

1. Set Up Emitting Activity
2. Create Submission

Fugitive SF6
Emissions

1. Create Submission
2. Download Excel File
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Transactions
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Hydro-
Nucl-Solar-
Wind, etc.

Using Facility ID Numbers To Report Power Transactions

- Lists of Facilities ID Numbers are available on website <http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-power/ghg-rep-power.htm>
 - GHG emitting facilities operated by CA operators and retail providers
 - Hydro-nuclear-solar-wind facilities
 - Out-of-state facilities not reporting to ARB
- Expect ongoing revisions to lists this year
- Generating Unit ID Numbers
 - Get unit ID from operator OR
 - Use facility ID instead of unit ID for first year of reporting
- Treat BPA and DWR as specified resource

Case Study

- Pcarrol3 is a CA Retail Provider
 - Carrol Plant3 (Owns 100% and Operates)
 - WindFarm1 (Owns 100% and Operates)
 - Croy Plant1 (Owns 50% - does NOT operate)
- Pcarrol3 buys power from
 - Peach Utilities has fleet of generating facilities in PNW
 - Perry Hydro Plant
 - Numerous fossil fueled generating facilities
 - Black Marketers located inside CA
- Pcarrol3 sells power to
 - Peach Utilities (PNW)
 - Orange Utilities located inside CA

Reporting Power Transactions Demo

- Create Submission
- Download Excel File
- Complete Excel File Off-Line
- Upload as XML

Let's Go!

Reporting Data At Entity Level

1. Set Up Emitting Activity
2. Create Submission

Fugitive SF6
Emissions

1. Create Submission
2. Download Excel File
3. Complete Off-Line
4. Upload as XML

Power
Transactions
Template

1. Download Excel File
2. Complete Off-Line
3. Attach as Supporting Document

Hydro-
Nucl-Solar-
Wind, etc.

Reporting Hydro-Nucl-Solar-Wind & More Demo

- Download Excel File
- Complete Excel File Off-Line
- Upload as a supporting document

Let's Go!

QA and Preparing to Certify Data Demo

- 'Review Submission QA Checks'
- Select 'Ready for Certification'
 - Clicking locks data for Entity Manager for final certification

Only Entity Managers may certify entity data

- Completing "Certification" indicates that data are complete and accurate
- Data are locked and cannot be edited without unlocking data
- This mechanism prevents editing of data during the verification process unless needed

Questions and Comments

- For verbal comments, “Raise Hand” using Webinar so we can activate your line
- Or Type question in Webinar screen



Additional Questions and Comments?



ARB Contacts

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GHG Mandatory Reporting Website

[http://www.arb.ca.gov/cc/reporting/
ghg-rep/ghg-rep.htm](http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm)



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Thanks for
participating